

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IT 03/00198

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B26F1/20 D04H13/00 D06C15/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B26F D04H D06C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 598 970 A (PANTEX SRL) 1 June 1994 (1994-06-01) cited in the application column 1, line 53 -column 3, line 38 ---	1,24
Y	US 6 395 211 B1 (DETTMER KLAUS ET AL) 28 May 2002 (2002-05-28) column 2, line 28-34 ---	1,24
X	DE 197 50 459 A (KUESTERS EDUARD MASCHF) 27 May 1999 (1999-05-27) column 1, line 53 -column 3, line 38 ---	1,24
A	US 5 709 829 A (GIACOMETTI CLAUDIO) 20 January 1998 (1998-01-20) column 2, line 13 -column 3, line 40 ---	1-34 -/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

21 January 2004

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30/01/2004

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PCT/IT 03/00198

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 007 468 A (GIACOMETTI CLAUDIO) 28 December 1999 (1999-12-28) the whole document ---	1-34
A	US 5 207 962 A (HOVIS EDWARD E ET AL) 4 May 1993 (1993-05-04) column 3, line 28-60 ---	1-34
A	DE 34 16 004 A (HENKEL KGAA) 31 October 1985 (1985-10-31) the whole document -----	1-34

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/IT 03/00198

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
EP 0598970	A	01-06-1994	EP 0598970 A1 AT 137433 T 15-05-1996 BR 9304738 A 24-05-1994 CA 2103196 A1 18-05-1994 CN 1087302 A ,B 01-06-1994 CZ 9302443 A3 18-05-1994 DE 69210403 D1 05-06-1996 DE 69210403 T2 05-09-1996 DK 598970 T3 03-06-1996 ES 2086111 T3 16-06-1996 GR 3019813 T3 31-08-1996 GR 3033426 T3 29-09-2000 HU 67098 A2 28-02-1995 JP 3150010 B2 26-03-2001 JP 6198780 A 19-07-1994 KR 134079 B1 21-04-1998 US 6007468 A 28-12-1999 US 5709829 A 20-01-1998 US 5814389 A 29-09-1998	01-06-1994 15-05-1996 24-05-1994 18-05-1994 01-06-1994 18-05-1994 05-06-1996 05-09-1996 03-06-1996 16-06-1996 31-08-1996 29-09-2000 28-02-1995 26-03-2001 19-07-1994 21-04-1998 28-12-1999 20-01-1998 29-09-1998
US 6395211	B1	28-05-2002	DE 29720192 U1 DE 59802673 D1 WO 9925911 A1 EP 1030939 A1 JP 2001523772 T	25-03-1999 21-02-2002 27-05-1999 30-08-2000 27-11-2001
DE 19750459	A	27-05-1999	DE 19750459 A1	27-05-1999
US 5709829	A	20-01-1998	EP 0598970 A1 AT 137433 T 15-05-1996 BR 9304738 A 24-05-1994 CA 2103196 A1 18-05-1994 CN 1087302 A ,B 01-06-1994 CZ 9302443 A3 18-05-1994 DE 69210403 D1 05-06-1996 DE 69210403 T2 05-09-1996 DK 598970 T3 03-06-1996 ES 2086111 T3 16-06-1996 GR 3019813 T3 31-08-1996 GR 3033426 T3 29-09-2000 HU 67098 A2 28-02-1995 JP 3150010 B2 26-03-2001 JP 6198780 A 19-07-1994 KR 134079 B1 21-04-1998 US 6007468 A 28-12-1999 US 5814389 A 29-09-1998	01-06-1994 15-05-1996 24-05-1994 18-05-1994 01-06-1994 18-05-1994 05-06-1996 05-09-1996 03-06-1996 16-06-1996 31-08-1996 29-09-2000 28-02-1995 26-03-2001 19-07-1994 21-04-1998 28-12-1999 29-09-1998
US 6007468	A	28-12-1999	EP 0598970 A1 US 5814389 A 29-09-1998 AT 137433 T 15-05-1996 BR 9304738 A 24-05-1994 CA 2103196 A1 18-05-1994 CN 1087302 A ,B 01-06-1994 CZ 9302443 A3 18-05-1994 DE 69210403 D1 05-06-1996 DE 69210403 T2 05-09-1996 DK 598970 T3 03-06-1996 ES 2086111 T3 16-06-1996	01-06-1994 29-09-1998 15-05-1996 24-05-1994 18-05-1994 01-06-1994 18-05-1994 05-06-1996 05-09-1996 03-06-1996 16-06-1996

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/IT 03/00198

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
US 6007468	A		GR 3019813 T3 GR 3033426 T3 HU 67098 A2 JP 3150010 B2 JP 6198780 A KR 134079 B1 US 5709829 A	31-08-1996 29-09-2000 28-02-1995 26-03-2001 19-07-1994 21-04-1998 20-01-1998
US 5207962	A	04-05-1993	AT 132803 T CA 2071702 A1 DE 69207495 D1 EP 0520697 A1 JP 6262681 A MX 9203425 A1 US 5262107 A	15-01-1996 26-12-1992 22-02-1996 30-12-1992 20-09-1994 01-05-1993 16-11-1993
DE 3416004	A	31-10-1985	DE 3416004 A1	31-10-1985